Subtask B

Develop a database of
"Energy Saving Technologies and Measures
for Government Building Retrofits"
with
examples of best practices.

SUBTASK B GOAL

The title reflects the goal:

to develop a database of
- technologies and
- measures

and
- document examples of best practice

Tasks

- analyze a series of **best practice examples** of retrofitted buildings (from the late 1990s) of which a few are still under renovation and are to be finished in 2005–2006.
- based on these international experiences and best practices develop a **database** of promising energy saving technologies and measures (***current, proven, well known or underused***). These will include technologies/measures that relate to building envelope, internal load reduction, HVAC systems, energy consuming processes in the building, supplemental energy systems (e.g., compressed air, steam system), etc.
- identify tools/computer programs to screen candidate technologies/ measures, and will screen for representative conditions (building type, standard climatic conditions, energy costs, etc).
- The results of the analysis and showcase descriptions will be categorically summarized and presented for energy managers in a user-friendly format.

Discussion themes

- Annex description (incl. expected results)
- Organisation of work
- Preliminary list of best practices / case studies
- Preliminary list of buildings types, climates/countries and technologies/ measures

Annex text discussion points

- analyze a series of **best practice examples** of retrofitted buildings (from the late 1990s) of which a few are still under renovation and are to be finished in 2005–2006.
- based on these international experiences and best practices develop a **database** of promising energy saving technologies and measures (***current, proven, well known or underused***). These will include technologies/measures that relate to building envelope, internal load reduction, HVAC systems, energy consuming processes in the building, supplemental energy systems (e.g., compressed air, steam system), etc.
- identify tools/computer programs to screen candidate technologies/ measures, and will screen for representative conditions (building type, standard climatic conditions, energy costs, etc). Develop a procedure for that? – that could be an additional result?
- The results of the analysis and showcase descriptions will be categorically summarized and presented for energy managers in a user-friendly format.
- The database of measures and technologies will feed into the IT-tool?
- A procedure for screening of candidate measures and technologies? –and
- a list if suitable tools?

Sharing/organising the work

Who does what in (do we have a common understanding for who does what)?

- Identifying the best practice examples
- Identifying measures and technologies
- Identifying tool(s) (deciding on requirements)?
- Performing the screening
- Developing the database
- Documenting the procedure
- Documenting the case studies

(does this have to be reflected in the Annex text?)

Preliminary lists:

- Case studies
  - do we want to create a preliminary list/overview?
  - using a short format? – that can easily be extended to a standard documentation
  - requirements, selection criteria?

- Screening
  - Climates / countries
  - Building categories / typologies
  - Strategies/principles/technologies/measures